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NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPICI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPICI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRSEARCH reloaded with enhancements
NEWS EXPRESS	FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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***** STN Columbus *****

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=> file medline, biosis, wpids, uspatful, dgene, embase, biotechds		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

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=> s protein dimierization
L1 0 PROTEIN DIMIERIZATION

=> s (method) and (protein dimerization)
5 FILES SEARCHED...
L2 427 (METHOD) AND (PROTEIN DIMERIZATION)

=> s l2 and (fusion)
L3 266 L2 AND (FUSION)

=> s l3 and (methotrexate and ligand)
L4 101 L3 AND (METHOTREXATE AND LIGAND)

=> s l4 and (methotrexate-LexA)
L5 0 L4 AND (METHOTREXATE-LEXA)

=> s l4 and covalent bond
L6 27 L4 AND COVALENT BOND

=> s l6 and (dihydrofolate)
L7 16 L6 AND (DIHYDROFOLATE)

=> d l7 ti abs ibib tot

L7 ANSWER 1 OF 16 USPATFULL on STN

TI Binding constructs and methods for use thereof

AB The invention relates to novel binding domain-immunoglobulin fusion proteins that feature a binding domain for a cognate structure such as an antigen, a counterreceptor or the like, a wild-type IgG, IGA or IgE hinge-acting region, i.e., IgE CH2, region polypeptide

or a mutant IgG1 hinge region polypeptide having either zero, one or two cysteine residues, and immunoglobulin CH2 and CH3 domains, and that are capable of ADCC and/or CDC while occurring predominantly as polypeptides that are compromised in their ability to form disulfide-linked multimers. The fusion proteins can be recombinantly produced at high expression levels. Also provided are related compositions and methods, including cell surface forms of the fusion proteins and immunotherapeutic applications of the fusion proteins and of polynucleotides encoding such fusion proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2007:271553 USPATFULL
 TITLE: Binding constructs and methods for use thereof
 INVENTOR(S): Ledbetter, Jeffrey A., Shoreline, WA, UNITED STATES
 Hayden-Ledbetter, Martha Susan, Shoreline, WA, UNITED STATES
 Thompson, Peter Armstrong, Bellevue, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2007237779	A1	20071011
APPLICATION INFO.:	US 2003-566409	A1	20031224 (10)
	WO 2003-US41600		20031224
			20060824 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-10627556	20030726
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARSHALL, GERSTEIN & BORUN LLP, 233 S. WACKER DRIVE, SUITE 6300, SEARS TOWER, CHICAGO, IL, 60606, US	
NUMBER OF CLAIMS:	413	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	88 Drawing Page(s)	
LINE COUNT:	20337	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 16 USPATFULL on STN
 TI Immunoglobulin chimeric monomer-dimer hybrids
 AB The invention relates to a chimeric monomer-dimer hybrid protein wherein said protein comprises a first and a second polypeptide chain, said first polypeptide chain comprising at least a portion of an immunoglobulin constant region and a biologically active molecule, and said second polypeptide chain comprising at least a portion of an immunoglobulin constant region without the biologically active molecule of the first chain. The invention also relates to methods of using and methods of making the chimeric monomer-dimer hybrid protein of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2007:197585 USPATFULL
 TITLE: Immunoglobulin chimeric monomer-dimer hybrids
 INVENTOR(S): Peters, Robert T., West Roxbury, MA, UNITED STATES
 Mezo, Adam R., Waltham, MA, UNITED STATES
 Rivera, Daniel S., Providence, RI, UNITED STATES
 Bitonti, Alan J., Acton, MA, UNITED STATES
 Low, Susan C., Pepperell, MA, UNITED STATES
 PATENT ASSIGNEE(S): Syntonix Pharmaceuticals, Inc. (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2007/172928 A1 20070726
 APPLICATION INFO.: US 2006-588431 A1 20061027 (11)
 RELATED APPLN. INFO.: Continuation of Ser. No. US 2004-841250, filed on 6 May 2004, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-469600P	20030506 (60)
	US 2003-487964P	20030717 (60)
	US 2004-539207P	20040126 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US 2	
NUMBER OF CLAIMS:	1-197	
EXEMPLARY CLAIM:	27 Drawing Page(s)	
NUMBER OF DRAWINGS:	5222	
LINE COUNT:	CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L7 ANSWER 3 OF 16 USPATFULL on SIN
 TI Cell proliferation-related polypeptides and uses therefor
 AB Disclosed are proteins, and nucleic acids encoding such proteins, involved in or associated with cell proliferation, senescence, differentiation, development, and stress response in plants. Also disclosed are uses for such proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 ACCESSION NUMBER: 2006:296744 USPATFULL
 TITLE: Cell proliferation-related polypeptides and uses therefor
 INVENTOR(S): Cooper, Bret, 9339 Creekview Drive, Laurel, MD, UNITED STATES 20708

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006253917	A1	20061109
APPLICATION INFO.:	US 2003-533232	A1	20031223 (10)
	WO 2003-US41200		20031223
			20051122 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-436565P	20021226 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JENKINS, WILSON, TAYLOR & HUNT, P. A., 3100 TOWER BLVD, SUITE 1200, DURHAM, NC, 27707, US	
NUMBER OF CLAIMS:	58	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Page(s)	
LINE COUNT:	12776	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L7 ANSWER 4 OF 16 USPATFULL on SIN
 TI Stress-related polypeptides and uses therefor
 AB Disclosed are proteins, and nucleic acids encoding such proteins, involved in or associated with the stress response (both biotic and abiotic stress) in plants. Also disclosed are uses for such proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2006:275417 USPATFULL
TITLE: Stress-related polypeptides and uses therefor
INVENTOR(S): Cooper, Bret, Laurel, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006235215	A1	20061019
APPLICATION INFO.:	US 2003-533176	A1	20031223 (10)
	WO 2003-US41098		20031223
			20060412 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-436564P	20021226 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JENKINS, WILSON, TAYLOR & HUNT, P. A., 3100 TOWER BLVD, SUITE 1200, DURHAM, NC, 27707, US	
NUMBER OF CLAIMS:	46	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	8854	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 16 USPATFULL on STN
T1 Immunoglobulin chimeric monomer-dimer hybrids
AB The invention relates to a chimeric monomer-dimer hybrid protein wherein said protein comprises a first and a second polypeptide chain, said first polypeptide chain comprising at least a portion of an immunoglobulin constant region and a biologically active molecule, and said second polypeptide chain comprising at least a portion of an immunoglobulin constant region without the biologically active molecule of the first chain. The invention also relates to methods of using and methods of making the chimeric monomer-dimer hybrid protein of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:298530 USPATFULL
TITLE: Immunoglobulin chimeric monomer-dimer hybrids
INVENTOR(S): Peters, Robert T., West Roxbury, MA, UNITED STATES
Mezo, Adam R., Waltham, MA, UNITED STATES
Rivera, Daniel S., Providence, RI, UNITED STATES
Bitonti, Alan J., Acton, MA, UNITED STATES
Low, Susan C., Pepperell, MA, UNITED STATES
Stattel, James, Leominster, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005260194	A1	20051124
	US 7348004	B2	20080325
APPLICATION INFO.:	US 2005-29003	A1	20050105 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-841250, filed on 6 May 2004, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-469600P	20030506 (60)
	US 2003-487964P	20030717 (60)
	US 2004-539207P	20040126 (60)
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP,
 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US
 NUMBER OF CLAIMS: 131
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 27 Drawing Page(s)
 LINE COUNT: 5395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 16 USPATFULL on SIN

TI Bacterial small-molecule three-hybrid system
 AB A transgenic bacterial cell comprising (a) a dimeric small molecule which comprises a first moiety known to bind a first receptor domain covalently linked to a second moiety known to bind a second receptor domain; (b) nucleotide sequences which upon transcription encode i) a first fusion protein comprising the first receptor domain, and ii) a second fusion protein comprising the second receptor domain; and (c) a reporter gene wherein expression of the reporter gene is conditioned on the proximity of the first fusion protein to the second fusion protein. The cell is also adapted for use in a method for identifying a molecule that binds to a known target in a bacterial cell from a pool of candidate molecules, and a method for identifying an unknown target receptor to which a molecule is capable of binding in a bacterial cell. Also described are compounds and kits for carrying out the methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:254908 USPATFULL
 TITLE: Bacterial small-molecule three-hybrid system
 INVENTOR(S): Althoff, Eric A, 526 West 122nd Street, #5C, New York, NY, UNITED STATES 10027
 Cornish, Virginia W, New York, NY, UNITED STATES
 PATENT ASSIGNEE(S): Trustees Of Columbia University In The City Of New York, New York, NY, UNITED STATES, 10027 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005221402	A1	20051006
APPLICATION INFO.:	US 2003-512497	A1	20030424 (10)
	WO 2003-US12612		20030424
			20050523 PCT 371 date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-132039, filed on 24 Apr 2002, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	COOPER & DUNHAM, LLP, 1185 AVENUE OF THE AMERICAS, NEW YORK, NY, 10036, US		
NUMBER OF CLAIMS:	37		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	1531		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L7 ANSWER 7 OF 16 USPATFULL on SIN

TI Binding constructs and methods for use thereof
 AB The invention relates to novel binding domain-immunoglobulin fusion proteins that feature a binding domain for a cognate structure such as an antigen, a counterreceptor or the like, a wild-type IgG1, IGA or IgE hinge-acting region, i.e., IgE CH2, region polypeptide or a mutant IgG1 hinge region polypeptide having either zero, one or two

cysteine residues, and immunoglobulin CH2 and CH3 domains, and that are capable of ADCC and/or CDC while occurring predominantly as polypeptides that are compromised in their ability to form disulfide-linked multimers. The fusion proteins can be recombinantly produced at high expression levels. Also provided are related compositions and methods, including cell surface forms of the fusion proteins and immunotherapeutic applications of the fusion proteins and of polynucleotides encoding such fusion proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:157841 USPATFULL
 TITLE: Binding constructs and methods for use thereof
 INVENTOR(S): Ledbetter, Jeffrey A., Shoreline, WA, UNITED STATES
 Hayden-Ledbetter, Martha, Shoreline, WA, UNITED STATES
 Thompson, Peter A., Bellevue, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005136049	A1	20050623
APPLICATION INFO.:	US 2003-627556	A1	20030726 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-53530, filed on 17 Jan 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-367358P	20010117 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BUCHANAN INGERSOLL, P.C., ONE OXFORD CENTRE, 301 GRANT STREET, 20TH FLOOR, PITTSBURGH, PA, 15219, US	
NUMBER OF CLAIMS:	110	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	75 Drawing Page(s)	
LINE COUNT:	19086	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 16 USPATFULL on SIN

TI Adzymes and uses thereof
 AB Disclosed is a family of novel protein constructs, useful as drugs and for other purposes, termed "adzymes," comprising an address moiety and a catalytic domain. In some types of disclosed adzymes, the address binds with a binding site on or in functional proximity to a targeted biomolecule, e.g., an extracellular targeted biomolecule, and is disposed adjacent the catalytic domain so that its affinity serves to confer a new specificity to the catalytic domain by increasing the effective local concentration of the target in the vicinity of the catalytic domain. The present invention also provides pharmaceutical compositions comprising these adzymes, methods of making adzymes, DNA's encoding adzymes or parts thereof, and methods of using adzymes, such as for treating human subjects suffering from a disease, such as a disease associated with a soluble or membrane bound molecule, e.g., an allergic or inflammatory disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:87403 USPATFULL
 TITLE: Adzymes and uses thereof
 INVENTOR(S): Afeyan, Noubar B., Lexington, MA, UNITED STATES
 Lee, Frank D., Chestnut Hill, MA, UNITED STATES
 Wong, Gordon G., Brookline, MA, UNITED STATES
 Das Gupta, Ruchira, Auburndale, MA, UNITED STATES
 Baynes, Brian, Somerville, MA, UNITED STATES

PATENT ASSIGNEE(S): COMPOUND THERAPEUTICS, INC., Waltham, MA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005074865	A1	20050407
APPLICATION INFO.:	US 2004-792498	A1	20040302 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-650592, filed on 27 Aug 2003, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-406517P	20020827 (60)
	US 2002-423754P	20021105 (60)
	US 2002-430001P	20021127 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624	
NUMBER OF CLAIMS:	45	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	25 Drawing Page(s)	
LINE COUNT:	9195	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L7 ANSWER 9 OF 16 USPATFULL on STN
TI Immunoglobulin chimeric monomer-dimer hybrids
AB The invention relates to a chimeric monomer-dimer hybrid protein wherein said protein comprises a first and a second polypeptide chain, said first polypeptide chain comprising at least a portion of an immunoglobulin constant region and a biologically active molecule, and said second polypeptide chain comprising at least a portion of an immunoglobulin constant region without the biologically active molecule of the first chain. The invention also relates to methods of using and methods of making the chimeric monomer-dimer hybrid protein of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2005:37495 USPATFULL
TITLE: Immunoglobulin chimeric monomer-dimer hybrids
INVENTOR(S): Peters, Robert T., West Roxbury, MA, UNITED STATES
Mezo, Adam R., Waltham, MA, UNITED STATES
Rivera, Daniel S., Providence, RI, UNITED STATES
Bitonti, Alan J., Acton, MA, UNITED STATES
Stattel, James, Leominster, MA, UNITED STATES
Low, Susan C., Pepperell, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005032174	A1	20050210
APPLICATION INFO.:	US 2004-841250	A1	20040506 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-487964P	20030717 (60)
	US 2004-539207P	20040126 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315	
NUMBER OF CLAIMS:	154	

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 27 Drawing Page(s)
LINE COUNT: 5512
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 16 USPATFULL on STN
TI Methods for chemically synthesizing immunoglobulin chimeric proteins
AB The invention provides methods of chemically synthesizing chimeric proteins comprising at least a portion of an immunoglobulin constant region and a biologically active molecule.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:31671 USPATFULL
TITLE: Methods for chemically synthesizing immunoglobulin chimeric proteins
INVENTOR(S): Mezo, Adam R., Waltham, MA, UNITED STATES
Peters, Robert T., West Roxbury, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005027109	A1	20050203
APPLICATION INFO.:	US 2004-842054	A1	20040506 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-469600P	20030506 (60)
	US 2003-487964P	20030717 (60)
	US 2004-539207P	20040126 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	3085	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 16 USPATFULL on STN
TI Adzymes and uses thereof
AB Disclosed is a family of novel protein constructs, useful as drugs and for other purposes, termed "adzymes," comprising an address moiety and a catalytic domain. In some types of disclosed adzymes, the address binds with a binding site on or in functional proximity to a targeted biomolecule, e.g., an extracellular targeted biomolecule, and is disposed adjacent the catalytic domain so that its affinity serves to confer a new specificity to the catalytic domain by increasing the effective local concentration of the target in the vicinity of the catalytic domain. The present invention also provides pharmaceutical compositions comprising these adzymes, methods of making adzymes, DNA's encoding adzymes or parts thereof, and methods of using adzymes, such as for treating human subjects suffering from a disease, such as a disease associated with a soluble or membrane bound molecule, e.g., an allergic or inflammatory disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:107249 USPATFULL
TITLE: Adzymes and uses thereof
INVENTOR(S): Afeyan, Noubar B., Lexington, MA, UNITED STATES
Lee, Frank D., Chestnut Hill, MA, UNITED STATES
Wong, Gordon G., Brookline, MA, UNITED STATES

Das Gupta, Ruchira, Auburndale, MA, UNITED STATES
Baynes, Brian, Somerville, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004081648	A1	20040429
APPLICATION INFO.:	US 2003-650592	A1	20030827 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-406517P	20020827 (60)
	US 2002-423754P	20021105 (60)
	US 2002-430001P	20021127 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624
NUMBER OF CLAIMS: 156
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Page(s)
LINE COUNT: 8325
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 16 USPATFULL on STN

TI Adzymes and uses thereof

AB Disclosed is a family of novel protein constructs, useful as drugs and for other purposes, termed "adzymes," comprising an address moiety and a catalytic domain. In some types of disclosed adzymes, the address binds with a binding site on or in functional proximity to a targeted biomolecule, e.g., an extracellular targeted biomolecule, and is disposed adjacent the catalytic domain so that its affinity serves to confer a new specificity to the catalytic domain by increasing the effective local concentration of the target in the vicinity of the catalytic domain. The present invention also provides pharmaceutical compositions comprising these adzymes, methods of making adzymes, DNA's encoding adzymes or parts thereof, and methods of using adzymes, such as for treating human subjects suffering from a disease, such as a disease associated with a soluble or membrane bound molecule, e.g., an allergic or inflammatory disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:107248 USPATFULL
TITLE: Adzymes and uses thereof
INVENTOR(S): Afeyan, Noubar B., Lexington, MA, UNITED STATES
Lee, Frank D., Chestnut Hill, MA, UNITED STATES
Wong, Gordon G., Brookline, MA, UNITED STATES
DasGupta, Ruchira, Auburndale, MA, UNITED STATES
Baynes, Brian, Somerville, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004081647	A1	20040429
APPLICATION INFO.:	US 2003-650591	A1	20030827 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-406517P	20020827 (60)
	US 2002-423754P	20021105 (60)
	US 2002-430001P	20021127 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: ROPES & GRAY LLP, ONE INTERNATIONAL PLACE, BOSTON, MA,
02110-2624
NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Page(s)
LINE COUNT: 7919
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 16 USPATFULL on STN
TI Bacterial small-molecule three-hybrid system
AB A transgenic bacterial cell comprising

(a) a dimeric small molecule which comprises a first moiety known to bind a first receptor domain covalently linked to a second moiety known to bind a second receptor domain;

(b) nucleotide sequences which upon transcription encode

i) a first fusion protein comprising the first receptor domain, and

ii) a second fusion protein comprising the second receptor domain; and

(c) a reporter gene wherein expression of the reporter gene is conditioned on the proximity of the first fusion protein to the second fusion protein. The cell is also adapted for use in a method for identifying a molecule that binds to a known target in a bacterial cell from a pool of candidate molecules, and a method for identifying an unknown target receptor to which a molecule is capable of binding in a bacterial cell. Also described are compounds and kits for carrying out the methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:288713 USPATFULL
TITLE: Bacterial small-molecule three-hybrid system
INVENTOR(S): Althoff, Eric A., New York, NY, UNITED STATES
Cornish, Virginia W., New York, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003203471	A1	20031030
	US 7083918	B2	20060801
APPLICATION INFO.:	US 2002-132039	A1	20020424 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036		
NUMBER OF CLAIMS:	82		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	1786		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 16 USPATFULL on STN
TI In vivo protein screen based on enzyme-assisted chemically induced dimerization ("CID")
AB A method for identifying which protein from a pool of candidate proteins catalyzes in a cell a bond forming reaction between a first substrate and a second substrate, comprising:

(a) providing a dimeric small molecule which comprises a known moiety that binds a known receptor domain covalently linked with a moiety that contains the first substrate;

(b) introducing the dimeric molecule into a cell which comprises

i) a first fusion protein comprising the known receptor domain,

ii) a second fusion protein comprising the second substrate,

iii) a protein from the pool of candidate proteins, and

iv) a reporter gene wherein expression of the reporter gene is conditioned on the proximity of the first fusion protein to the second fusion protein;

(c) permitting the dimeric molecule to bind to the first fusion protein and to enzymatically form a bond with the second fusion protein so as to activate the expression of the reporter gene;

(d) selecting which cell expresses the reporter gene; and

(e) identifying the protein that catalyzes the bond formation reaction in the cell between the first substrate and the second substrate. The method is also adapted to identify which substrate from a pool of candidate substrates is selected in a cell by a known enzyme for a bond forming reaction between the substrate and a known amino acid. Also, cells, compounds and kits for carrying out the methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:200800 USPATFULL
TITLE: In vivo protein screen based on enzyme-assisted
chemically induced dimerization ("CID")
INVENTOR(S): Kopytek, Stephan, New York, NY, UNITED STATES
Cornish, Virginia, New York, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003138785	A1	20030724
APPLICATION INFO.:	US 2002-84388	A1	20020225 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-343467P	20011221 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036	
NUMBER OF CLAIMS:	83	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Page(s)	
LINE COUNT:	1286	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 16 USPATFULL on STN

TI Binding and catalysis screen for high throughput determination of protein function using chemical inducers of dimerization
AB A method for screening a cDNA library by identifying the expressed protein target, comprising:

- (a) providing a screening molecule comprising a methotrexate moiety or an analog of methotrexate covalently bonded to a ligand which has a known specificity;
- (b) introducing the screening molecule into a cell which expresses a first fusion protein comprising a binding domain capable of binding methotrexate, a second fusion protein comprising the expressed unknown protein target, and a reporter gene wherein expression of the reporter gene is conditioned on the proximity of the first fusion protein to the second fusion protein;
- (c) permitting the screening molecule to bind to the first fusion protein and to the second fusion protein so as to activate the expression of the reporter gene;
- (d) selecting which cell expresses the reporter gene; and
- (e) identifying the unknown protein target and the corresponding cDNA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:301193 USPATFULL
 TITLE: Binding and catalysis screen for high throughput determination of protein function using chemical inducers of dimerization
 INVENTOR(S): Cornish, Virginia W., New York, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002168737	A1	20021114
APPLICATION INFO.:	US 2001-768474	A1	20010124 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	John P. White, Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	25 Drawing Page(s)		
LINE COUNT:	1784		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 16 OF 16 USPATFULL ON STN
 TI Covalent chemical inducers of protein dimerization and their uses in high throughput binding screens
 AB Described are compounds having the formula:

H1-Y-H2

where H1 is a substrate capable of selectively binding to a first receptor; where H2 is a substrate capable of selectively binding to and selectively forming a covalent bond with a second receptor; and wherein Y is a moiety providing a covalent linkage between H1 and H2, which may be present or absent, and when absent, H1 is covalently linked to H2. Also described are uses of the compounds for in vivo screening of compounds and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:301142 USPATFULL
 TITLE: Covalent chemical inducers of protein dimerization and their uses in high throughput binding screens

INVENTOR(S): Cornish, Virginia W., New York, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002168685	A1	20021114
APPLICATION INFO.:	US 2002-56874	A1	20020124 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-768474, filed on 24 Jan 2001, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	John P. White, Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY, 10036		
NUMBER OF CLAIMS:	54		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	24 Drawing Page(s)		
LINE COUNT:	1954		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

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